

Pillard Opastop[®] GP4000H

Dust and opacity monitor for industrial stacks



Simplified dust and opacity on line system

- Proven technology, accurate results
- Easy installation with a single sensor
- Flexible solution, can be applied to all industries
- Easy maintenance thanks to smart design



Pillard Opastop® GP4000H is Fives' latest solution for low to medium dust concentration to ensure continuous measure and control dust emissions.

With advanced back scattering technology for stacks and after bag filter monitoring, Pillard Opastop® GP4000H is the ultimate solution to monitor dust and opacity emission while meeting regulations and certifications.

PROVEN TECHNOLOGY, ACCURATE RESULTS

Through the back scattering technology, the LED light beam offers accurate measurement (insensitive to ambient light). The self-checking functions and correction soiling system avoid a distorted measurement signal.

TECHNICAL FEATURES

PANEL ANALYZER

Housing	Epoxy metallic paint
Power supply	230 V/115 V (+10%/-15%) 50 Hz/60 Hz
Operating temperature	-20 °C to +50 °C
Measuring range	0 to 1000 mg/Nm ³
Measuring scale	Adjustable, minimum 10 mg/Nm ³
Display correction	Automatic scale switch-over
Analogue output	Three 4-20 mA for 750 Ohms
Digital processing	4 programmable relays on scale, threshold fouling level and general fault
Warranty	1 year

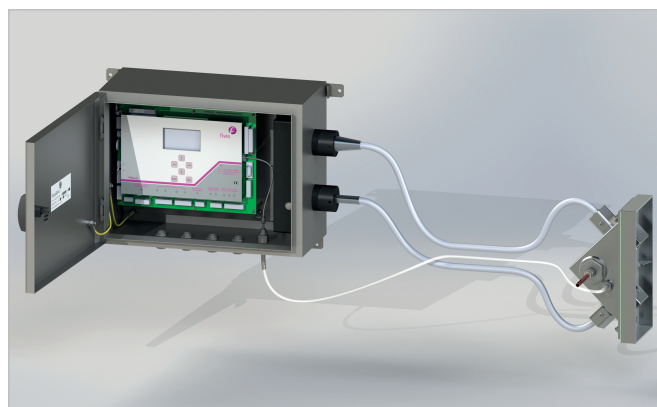
SCANNER HEAD

Shell	Stainless steel 304L
Heating element	Electric resistor 500VA
Sweeping air pressure/ flow rate	0.3 to 0.4 bars / 3 Nm ³ /h
Maximum flue gas temperature	350 °C
Automatic self-checks	Air presence and temperature control
Weight	4.8 kg

OPTICFIBER

Sensor tip and sheath	Stainless steel 304L
Standard lengths	1.20m or 2.20m
Admissible temperature on fibers	-20 to 220 °C

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FLEXIBLE SOLUTION

Pillard Opastop® GP4000H is adapted to all industries:

- Small and average sized ducts
- Weak and substantial dust concentration
- Light and dark colored particles (coal, oil biomass and other solid fuels)

EASY INSTALLATION WITH A SINGLE SENSOR

Pillard Opastop® GP4000H is simplified thanks to a single circular sensor designed with one side mounting type.

EASY MAINTENANCE THANKS TO SMART DESIGN

As high-performance solution, Pillard Opastop® GP4000H is adapted to specific industries' features (higher length of optic fiber, materials, dimensions, flue gas temperature up to 650°C).

OPTIONS

- High temperature scanner head (600°C)
- Stainless steel 304L housing
- 3-year warranty (optional)
- Air sweeping device (optional)

SERVICE

- Commissioning assistance
- Maintenance contract

CERTIFICATIONS

- Compliant with NF X 43-302
- IP65 protection rating (EN 60529)
- European regulation related to electromagnetic compatibility (2004/108/CE)
- QAL1 certification according to EN 15267 standard and 14181 (certificate N°.0000040209)
- For opacity: Additional TUV report 936/21242785/A

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